



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We make Indiana a cleaner, healthier place to live.*

Frank O'Bannon  
Governor

Lori F. Kaplan  
Commissioner

August 8, 2003

100 North Senate Avenue  
P. O. Box 6015  
Indianapolis, Indiana 46206-6015  
(317) 232-8603  
(800) 451-6027  
www.IN.gov/idem

TO: Interested Parties / Applicant

RE: **Auburn Foundry, Inc. 033-17901-00002**

FROM: Paul Dubenetzky  
Chief, Permits Branch  
Office of Air Quality

## Notice of Decision - Approval

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to 326 IAC 2, this approval was effective immediately upon submittal of the application.

If you wish to challenge this decision, IC 4-21.5-3-7 requires that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office Environmental Adjudication, ISTA Building, 150 W. Market Street, Suite 618, Indianapolis, IN 46204, **within eighteen (18) calendar days from the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

- (1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
- (2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
- (3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

- (1) the name and address of the person making the request;
- (2) the interest of the person making the request;
- (3) identification of any persons represented by the person making the request;
- (4) the reasons, with particularity, for the request;
- (5) the issues, with particularity, proposed for considerations at any hearing; and
- (6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosures  
FNPERAM

August 8, 2003

Mr. Dave Webber  
Auburn Foundry, Inc.  
635 West 11<sup>th</sup> Street  
Auburn, IN 46706

Re: 033-17901-00002  
First Administrative Amendment to  
T 003-17306- 00002

Dear Mr. Webber:

Auburn Foundry was issued a permit on June 18, 2003 for operation of a gray iron foundry. A letter requesting an Administrative Amendment was received on July 7, 2003. Pursuant to the provisions of 2-7-11 the permit is hereby administratively amended as follows (the new language has been bolded and the old language stricken out):

In Section A.2, page 3 of the permit, the word year has been changed to hour.

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)]  
[326 IAC 2-7-5(150)]

This stationary source is approved to construct and operate the following emission units and pollution control devices:

One (1) Ductile Iron Conversion (DIC) station, identified as emission unit E-40, with a maximum capacity of 12 tons of metal per ~~year~~ **hour**, using baghouse BH-20 as control, and exhausting to stack 20.

In Section D.1, page 12 of the permit, the word year has been changed to hour.

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]

One (1) Ductile Iron Conversion (DIC) Station, identified as emission unit E-40, with a maximum capacity of 12 tons of metal per ~~year~~ **hour**, using baghouse BH-20 as control, and exhausting to stack 20.

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this amendment and the following revised permit pages to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5.  
If you have any questions on this matter, please contact Walter Habeeb at (317) 232-8422.

Sincerely,

Original Signed by Paul Dubenetzky  
Paul Dubenetzky, Chief  
Permits Branch  
Office of Air Quality

Attachments  
WVH

cc: File - Dekalb County  
U.S. EPA, Region V  
Northern Regional Office  
Air Compliance Section Inspector - Doyle Houser  
Compliance Data Section - Karen Nowak  
Administrative and Development  
Technical Support and Modeling - Michele Boner  
Mr. Thomas Rarick  
KERAMIDA Environmental, Inc.  
330 N. College Avenue  
Indianapolis, IN 46202

**PART 70 MINOR SOURCE MODIFICATION  
OFFICE OF AIR QUALITY**

**Auburn Foundry, Inc. Plant #1  
635 West 11<sup>th</sup> Street  
Auburn, Indiana 46706**

(herein known as the Permittee) is hereby authorized to construct and operate subject to the conditions contained herein, the emission units described in Section A (Source Summary) of this approval.

This approval is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Source Modification No.: 033-17306-00002	
Issued by: Original Signed by Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: June 18, 2003

Administrative Amendment No.: 033-17901-00002      Pages Affected: 3 and 12	
Issued by: Original Signed by Paul Dubenetzky Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: August 8, 2003

## SECTION A

## SOURCE SUMMARY

This approval is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the emission units contained in conditions A.1 through A.2 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this approval pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

### A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

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The Permittee owns and operates a gray iron foundry

Responsible Official:	Dave Webber, Vice President
Source Address:	635 West 11 <sup>th</sup> Street, Auburn, Indiana 46706
Mailing Address:	635 West 11 <sup>th</sup> Street, Auburn, Indiana 46706
General Source Phone Number:	260-925-0900
SIC Code:	3321
County Location:	DeKalb
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Permit Program Major Source, under PSD; Major Source, Section 112 of the Clean Air Act 1 of 28 Source Categories

### A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

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This stationary source is approved to construct and operate the following emission units and pollution control devices:

One (1) Ductile Iron Conversion (DIC) station, identified as emission unit E-40, with a maximum capacity of 12 tons of metal per hour, using baghouse BH-20 as control, and exhausting to stack 20.

### A.3 Part 70 Permit Applicability [326 IAC 2-7-2]

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This stationary source is required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because: .

- (a) It is a major source, as defined in 326 IAC 2-7-1(22);
- (b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

## SECTION D.1 FACILITY OPERATION CONDITIONS

### Facility Description [326 IAC 2-7-5(15)]

One (1) Ductile Iron Conversion (DIC) Station, identified as emission unit E-40, with a maximum capacity of 12 tons of metal per hour, using baghouse BH-20 as control, and exhausting to stack 20.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

### Emission Limitations and Standards [326 IAC 2-7-5(1)]

#### D.1.1 Source Modifications 326 IAC 2-7-10.5

Pursuant to 326 IAC 2-7-10.5(d)(5)(C), the following conditions shall apply:

- a. Baghouse BH-20 controlling the Ductile Iron Conversion (DIC) Station shall achieve and maintain ninety-nine percent (99%) control efficiency. In order to achieve this limit, the PM emission rate from the control device shall not exceed 0.216 pounds per hour.
- b. Baghouse BH-20 controlling the Ductile Iron Conversion (DIC) Station shall comply with a no visible emission standard.
- c. The potential to emit before controls shall not exceed major source thresholds for federal permitting programs.
- d. The Permittee shall certify to the commissioner that the control device supplier guarantees that a specific outlet concentration, in conjunction with design air flow, will result in actual emissions less than twenty-five (25) tons of particulate matter (PM) or fifteen (15) tons per year of particulate matter with an aerodynamic diameter less than or equal to ten (10) micrometers ( $PM_{10}$ ).

#### D.1.2 Particulate Matter (PM) [326 IAC 2-2]

In order to render the requirements of 326 IAC 2-2 (PSD) not applicable to this modification, the total melt rate of the plant shall not exceed 208,463 tons per 12 consecutive month period with compliance determined at the end of each month. The limit on the plantwide melting rate will ensure that there will be no net increase in actual emissions from the rest of the foundry processes as a result of this modification.

#### D.1.3 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the Ductile Iron Conversion (DIC) Station shall not exceed 21.7 pounds per hour when operating at a process weight rate of 12 tons per hour. The pounds per hour limitation was calculated using the following equation:

Interpolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67}$$

where E = rate of emission in pounds per hour; and  
P = process weight rate in tons per hour

#### D.1.4 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section C - Preventive Maintenance Plan, of this permit, is required for this facility and its control device.